**★WO 200070531-A2** 2001-090964/10 T01 T06 Process control system configuring apparatus used in manufacturing sectors, maintains record of changes made to model representing configuration of controlling and controlled system - (Eng)

FOXBORO CO 1999.11.23 1999US-448845 (1999.05.17 1999US-

(2000.11.23) G06K

2000.05.17 2000WO-US13544 N(AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW) R(AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW)

Addnl.Data:

1999.11.23 1999US-448223 1999.11.23 1999US-448374

NOVELTY - A configuration apparatus has a model representing configuration of at least a control system and system which is controlled by control system. The apparatus maintains a record of changes made to model or to at least one of the configuration represented by the model. The model is composed of multiple objects that represent entities within the controlling system or the controlled system.

DETAILED DESCRIPTION - The objects represent field devices, control devices, control processors, blocks, loops, object type categories, object connections, parameter connection display placeholders, graphical display entities and reports. The configuration apparatus comprises multiple versions such as current version, prior historical version, offline version and online version of the objects. An INDEPENDENT CLAIM is also

included for control system configuring method.

USE - For use in manufacturing sector for process, repetitive and discrete manufactures. Also used widely in utility and other service industries. For environmental controls used in residential, commercial, institutional and industrial settings and for control used in article manufacture from

ADVANTAGE - Tracing of genealogy of objects forward and backtoasters to aircraft. ward entirely which represents each object's life cycle is permitted. Necessity for updating references to an object, while editing the object each time, is eliminated. Since online version of object is updated for correspondence with new version of offline object, online and offline databases

DESCRIPTION OF DRAWING(S) - The figure shows the schematic are synchronized. view of digital data processing apparatus of process control system. (369pp

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